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(54) Title: DEVICE HAVING TWO COAXIALLY DISPOSED BODIES WHICH ARE MOVABLE RELATIVE TO ONE ANOTHER ALONG A TRANSLATION AXIS

(57) Abstract

A device comprising two bodies (3, 5) which are disposed coaxially with respect to a translation axis (1) and comprising a comparatively compact suspension means via which at least one of the bodies is movable with respect to the other body along the translation axis. The suspension means, which allows comparatively large and accurately defined axial excursions of the one body with respect to the other body, comprises a set of at least three blade spring elements (7) which are positioned around the translation axis. These blade spring elements each comprise two blade springs (7a, 7b) which are inclined with respect to a plane (XY) oriented perpendicularly to the translation axis, the blade springs of each blade spring element, the blade springs of each blade spring element each having two peripheral portions (7a1, 7a2; 7b1, 7b2) which each extend parallel to the plane which is oriented perpendicularly to the translation axis. One of the blade springs is connected to the one body near one of its peripheral portions and the other blade spring is connected to the other body near one of its peripheral portions, while the blade springs of each blade spring element are interconnected near their other peripheral portions.

